Electronic Version
Stylesheet Version v1.1.1

Claims

[c1] 1. An alternating current plasma display panel, comprising a plurality of pixels, a plurality of common data electrodes, and a plurality of row electrodes, each of said plurality of pixels including a first sub-pixel, a second sub-pixel, and a third sub-pixel arranged in a delta configuration, said first sub-pixel, said second sub-pixel, and said third sub-pixel being for emitting different visible lights respectively, said plurality of common electrodes being disposed below said plurality of pixels, said plurality of row electrodes being disposed above said plurality of pixels; wherein

three of said second sub-pixels and three of said third sub-pixels alternately enclose each of said first sub-pixels, three of said first sub-pixels and three of said third sub-pixels alternately enclose each of said second sub-pixels, and three of said first sub-pixels and three of said second sub-pixels alternately enclose each of said third sub-pixels; and

each of said plurality of common data electrodes is zigzag or straight arranged and passes through a same amount of said first sub-pixels, said second sub-pixels, and said third sub-pixels.

[c2] 2. The alternating current plasma display panel of claim 1, wherein said first sub-pixels, said second sub-pixels, and said third sub-pixels are hexagonal shape, and said first sub-pixels, said second sub-pixels, and said third sub-pixels are arranged in a honeycombed pattern.

[c3] 3.The alternating current plasma display panel of claim 1, wherein said first sub-pixels, said second sub-pixels, and said third sub-pixels is rectangular, polygonal, or round shape.

[c4] 4. The alternating current plasma display panel of claim 1, wherein each of said plurality of row electrodes includes a bus electrode and a sustain electrode.

[c5] 5. The alternating current plasma display panel of claim 4, wherein a material of said sustain electrode includes a transparent conducting material.

[c6] 6. The alternating current plasma display panel of claim 1, wherein said first sub-pixels, said second sub-pixels, and said third sub-pixels are for emitting red, green, and blue visible lights, respectively.

[c7] 7. An alternating current plasma display panel, comprising a plurality of pixels, a plurality of common data electrodes, and a plurality of row electrodes, each of said

plurality of pixels including three sub-pixels arranged in a delta configuration, said three sub-pixels being for emitting different visible lights respectively, said plurality of common electrodes being disposed below said plurality of sub-pixels, said plurality of row electrodes being disposed above said plurality of sub-pixels, wherein said sub-pixels are arranged so that each row of said sub-pixels is for emitting a same visible light and two adjacent rows are for emitting different visible lights ; and

each of said plurality of common data electrodes is zigzag or straight arranged and passes throughsaid each row of said sub-pixels.

[c8] 8. The alternating current plasma display panel of claim 7, wherein said sub-pixels are hexagonal shape and are arranged in a honeycombed pattern.

[c9] 9. The alternating current plasma display panel of claim 7, wherein said sub-pixels is rectangular, polygonal, or round shape.

[c10] 10. The alternating current plasma display panel of claim 7, wherein each of said plurality of row electrodes includes a bus electrode and a sustain electrode.

[c11] 11. The alternating current plasma display panel of claim

10, wherein a material of said sustain electrode includes a transparent conducting material.

[c12] 12. The alternating current plasma display panel of claim 7, wherein said each row of said sub-pixel is for emitting one of red, green, and blue visible light.

[c13] 13. An alternating current plasma display panel, comprising a plurality of pixels, a plurality of common data electrodes, and a plurality of row electrodes, each of said plurality of pixels including a first sub-pixel, a second sub-pixel, and a third sub-pixel arranged in a delta configuration, said first sub-pixel, said second sub-pixel, and said third sub-pixel being for emitting different visible lights respectively, said plurality of common electrodes being disposed below said plurality of pixels, said plurality of row electrodes being disposed above said plurality of pixels; wherein

each row of sub-pixels are arranged with said first sub-pixels, said second sub-pixels, and said third sub-pixels in a cyclic order, only one of six sub-pixels enclosing one of said first pixels is a first pixel, only one of six sub-pixels enclosing one of said second pixels is a second pixel, and only one of six sub-pixels enclosing one of said third pixels is a third pixel; and

each of said plurality of common data electrodes is zigzag or straight arranged and passing through a same

amount of said first sub-pixels, said second sub-pixels, and said third sub-pixels.

[c14] 14. The alternating current plasma display panel of claim 13, wherein said first sub-pixels, said second sub-pixels, and said third sub-pixels are hexagonal shape, and said first sub-pixels, said second sub-pixels, and said third sub-pixels are arranged in a honeycombed pattern.

[c15] 15.The alternating current plasma display panel of claim 13, wherein said first sub-pixels, said second sub-pixels, and said third sub-pixels is rectangular, polygonal, or round shape.

[c16] 16. The alternating current plasma display panel of claim 13, wherein each of said plurality of row electrodes includes a bus electrode and a sustain electrode.

[c17] 17. The alternating current plasma display panel of claim 16, wherein a material of said sustain electrode includes a transparent conducting material.

[c18] 18. The alternating current plasma display panel of claim 13, wherein said first sub-pixels, said second sub-pixels, and said third sub-pixels are for emitting red, green, and blue visible lights, respectively.